

REMARKS

Claims 1 - 21 are presently pending. In the above-identified Office Action, Claims 1 - 5, 7 - 10, 12 - 15, 17 and 19 - 21 were rejected under 35 U.S.C. §102(b) as being anticipated by Saito *et al.* (U.S. Patent No. 5,731,829) hereinafter "Saito". Claims 6, 11 and 16 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Saito in view of Silverbrook *et al.* (U.S. Patent No. 6,405,055) hereinafter "Silverbrook". Numerous additional references were cited as being of interest.

By this paper, Applicant has amended Claims 1 and 14, canceled Claims 2, 3 and 19 - 21 and added new Claims 22 - 28 for consideration. For the reasons set forth more fully below, the instant application is deemed to properly present claims patentable over the prior art. Reconsideration, allowance and passage to issue are therefore respectfully requested.

The present invention addresses the need in the art for a system or method for reducing the surface area required by office machines generally and printing devices in particular. The invention is a media processing device adapted for support from a vertical structure. The inventive device includes a media processing engine with a photoconductive drum. The media processing engine has a media output oriented to discharge media in a downward direction and a support bracket coupled to the media processing engine. The invention is set forth in Claims of varying scope of which Claim 1, as amended, is illustrative.

Claim 1, now recites:

1. A media processing device adapted for support from a vertical structure comprising:
a media processing engine having a **photoconductive drum** and a media output oriented to discharge media in a downward direction and means for supporting said print engine relative to the vertical structure. (Emphasis added.)

None of the references, including those cited but not applied, taken alone or in combination, teach, disclose or suggest the invention as presently claimed. That is, none of the references teach a vertically mounted media processing engine with a photoconductive drum.

In the above-identified Office Action, the Examiner relied heavily on Saito. Saito purports to teach an information processing and recording apparatus with two recording medium conveyance routes. The Examiner suggests that Saito teaches a laser printer. However, Saito's laser is used to heat, and thereby facilitates an ejection of, ink. See col. 27, lines 29 – 35. However, as is well-known in the art, a 'laser printer' uses pulses from a **scanning** laser to write an image on a **photoconductive drum**. Toner is then applied to the drum and the resulting image is fused to media with a fusing unit.

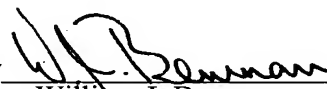
Hence, Claims 1 and 14 have been amended to add a limitation to clarify that the media processing engine is a laser printer. New Claims 22 – 27 have been drawn to laser printer components as well. New Claim 28 is a method claim drawn to a vertically oriented media processing apparatus. Inasmuch as Saito does not teach a vertically oriented laser printer media processing apparatus, the present claims should be patentable over Saito.

Silverbrook was cited as teaching the claimed depth to height and width relationship set forth in Claims 6 and 16 and the gravity force ordering features set forth in Claims 11 and 18. Silverbrook endeavors to teach a hand held mobile phone with an integral internal printer and print media supply.

However, Silverbrook clearly does not teach or suggest a vertically oriented laser printer media processing apparatus. Accordingly, Silverbrook does not overcome the shortcomings of Saito with respect to the invention as presently claimed

The references cited but not applied have been considered. None of the references, taken alone or in combination, teaches, discloses or suggests the invention as presently claimed. Accordingly, reconsideration, allowance and passage to issue are respectfully requested.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Claims 2, 3 and 19 – 21 have been canceled.

The remaining claims have been amended as follows:

1. (Amended) A media processing device adapted for support from a vertical structure comprising:

a media processing engine having a photoconductive drum and a media output oriented to discharge media in a downward direction ; and

means for supporting said print engine relative to the vertical structure , ~~and~~

~~a media receiver coupled to said media processing engine and positioned to receive discharged media therefrom.~~

14. (Amended) A printing device adapted for support from a vertical structure or a horizontal structure, comprising:

a print engine having a photoconductive drum and a media output oriented to discharge media in a downward direction;

a support bracket coupled to said print engine, rotatable between a first position adapted for support of said print engine by hanging from the vertical structure, and a second position adapted for inclined support of said print engine on the horizontal structure; and

a media receiver coupled to said print engine, rotatable between a vertical position below said print engine for receiving the media when said print engine is supported from the vertical structure, and a horizontal position, substantially parallel to the horizontal structure, for receiving media when said print engine is supported on the horizontal structure.

The following new claims have been added:

22. The apparatus of Claim 1 further including a media receiver coupled to said media processing engine and positioned to receive discharged media therefrom.

23. The apparatus of Claim 1 wherein said media processing engine further includes a laser scanning unit.

24. The apparatus of Claim 1 wherein said media processing engine further includes a developing unit.

25. The apparatus of Claim 1 wherein said media processing engine further includes a toner cartridge.

26. The apparatus of Claim 1 wherein said media processing engine further includes intermediate transfer drum.

27. The apparatus of Claim 1 wherein said media processing engine further includes a fusing unit.

28. A method for processing media including the steps of:
suspending a laser printer having a photoconductive drum in a vertical orientation;

gravity feeding media to said printer;

fusing an image on said media; and

ejecting said media from said printer.